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(FILE 'HOME' ENTERED AT 19:21:41 ON 21 MAY 2007) FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 19:22:05 ON 21 MAY 2007 L11229380 S T(4A) (LYMPHOCYTE OR CELL) L22755 S (IMMUNIZ? OR STIMULAT?) (6A) (TUMOR OR CANCER) (3A) ANTIGEN L3 938 S RETROVIR? (9A) (INTERLEUKIN-2 OR IL-2) L41659 S L1 AND L2 L5 1 S L3 AND L4 L6 343841 S RETROVIR? L7 237087 S INTERLEUKIN-2 OR IL-2 L8 50 S L4 AND L6 L9 8 S L7 AND L8 L10 6 DUP REM L9 (2 DUPLICATES REMOVED) => d bib ab 15 L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN AN 2004:354704 CAPLUS 140:373917 DN Preparation of lymphocytes that express interleukin-2 and uses thereof in TI the treatment of cancer IN Liu, Ke; Rosenberg, Steven A. PΑ The Government of the United States of America Represented by the Secretary Department of Health and Human Services, USA so PCT Int. Appl., 26 pp. CODEN: PIXXD2 DTPatent LΑ English FAN.CNT 1 APPLICATION NO. PATENT NO. KIND DATE DATE --------------20040429 WO 2004034789 **A**1 WO 2002-US33243 20021015 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG CA 2501087 Α1 20040429 CA 2002-2501087 20021015 AU 2002353822 A1 20040504 AU 2002-353822 20021015 EP 1558085 A1 20050803 EP 2002-789213 20021015 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK US 2005233451 **A**1 20051020 US 2005-531145 20050519 PRAI WO 2002-US33243 W 20021015 A method is disclosed of preparing autologous T-lymphocytes for re-introduction into a patient having cancer, which method comprises obtaining peripheral blood mononuclear cells (PBMCs) from a patient immunized with a cancer antiqen, stimulating the PBMCs with the cancer antigen in vitro, transducing the PBMCs with a retroviral vector, which (1) comprises and expresses a human interleukin-2 (IL-2) coding sequence operably linked to a retroviral promoter, (2) does not comprise an exogenously introduced gene that enables phenotypic selection, and (3) comprises a viral envelope that efficiently transduces CD8+ Tlymphocytes. Also disclosed is a method of preparing autologous

tumor-infiltrating lymphocytes (TILs) for reintroduction into a patient having cancer, which comprises obtaining TILs from a tumor of the patient, optionally immunized with an antigen of the cancer, optionally stimulating the TILs with the cancer antigen in vitro, and transducing the TILs with the aforementioned retroviral vector. Also disclosed are compns. comprising cells obtained in accordance with such methods and methods of treating a patient having cancer by administering to the patient cells obtained in accordance with the above methods or compns.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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- L10 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
- IN Liu, Ke; Rosenberg, Steven A.
- TI Preparation of lymphocytes that express interleukin-2 and uses thereof in the treatment of cancer
- SO PCT Int. Appl., 26 pp.

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- SO Cancer Research (1993), 53(15), 3561-8 CODEN: CNREA8; ISSN: 0008-5472
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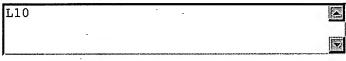
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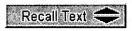
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